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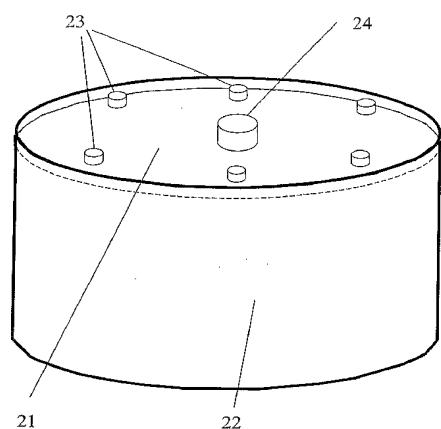
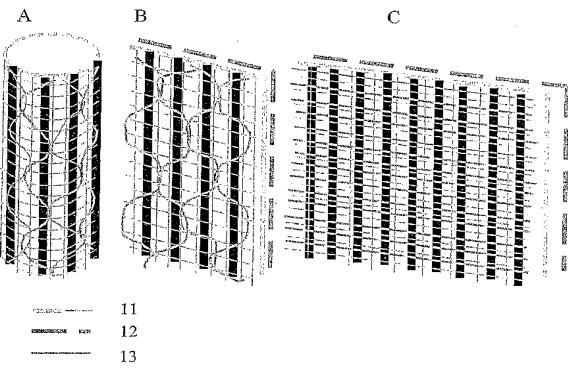
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(54) Title: WASTE AND TAILINGS DEWATERING TREATMENT SYSTEM AND METHOD



(57) Abstract: An apparatus and method are described for reducing the liquid content of a material comprising a particulate/liquid dispersion or suspension, in particular comprising a dispersion or suspension of inorganic particles being a byproduct of mining, manufacturing or other industrial processes. The apparatus comprising a receiving zone to contain the material, at least one pair of electrodes spaced apart within the receiving zone, means to apply a potential difference thereacross and hence across the material in use to drive electrokinetic dewatering, and drainage means to enable removal of water, wherein at least one of the electrodes comprises a textile or other synthetic material at least in part associated with a conductor so as to constitute where so associated a conducting electrokinetic textile or other synthetic material. The method makes use of the apparatus, in situ or at a remote site either as a batch or continuous process.



PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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